

4-26-12

## SURVEYS

- Questionnaires used to gather data for a desired purpose

- STEPS for an ACCURATE SURVEYS:

① Decide who to ask

\*\* Choose an unbiased group of people (not opinionated; ones who will give fair, not judgmental answers)

② Decide on a fair # of people to ask (not too few)

③ If you give answer choices, choose a reasonable # of choices (5-10) (depends on your purpose)

Ex: Purpose: To come up w/ a good cafeteria food choice at school.

Ask: 100 6<sup>th</sup> graders, 100 7<sup>th</sup> graders,  
100 8<sup>th</sup> graders

\*\* USE COMMON SENSE

# ANALYZING DATA

MODE - the most often data #  
(can be more than one)

MEAN - the average

MEDIAN - the middle # (\* after you  
put the #s in order)

RANGE - subtract highest # minus lowest #

\*\* There could be No Mode

\*\* To find Mean - Add all the #s, then divide by the  
# of #s

\*\* If you have an odd # of #s, there will be a #  
that is in the middle (the Median). But if there are  
an even # of #s, there will be 2 #s in the middle.  
In that case, you add them together & divide by 2.

Ex: 4, 5, 8, 9  
      ✓

both in the middle, so  $\rightarrow 5 + 8 = 13 \div 2 = 6.5$   
6.5 is the median